Author Index

Aguilar, M. 133
Al-Radady, A.S. 43
Albaigés, J. 283
Apte, S.C. 313
Aroca, E. 243

Balestrini, R. 339
Barceló, D. 283, 327,
Battegazzore, M. 399
Beltran, J. 243, 297
Boesten, J.J.T.I. 167
Bonde, J.P. 11
Boyd, T.A. 99
Böcher, M. 429
Böldicke, T. 429
Brambilla, A. 339
Bushway, R.J. 415

Cassier, P. 381
Cherton, J.-C. 381
Chisolm, J.J. 99
Christensen, J.M. 11
Coquart, V. 349
Corbella, J. 3
Cornejo, J. 217
Corvi, C.A. 275
Cotter-Howells, J. 93
Cuhra, P. 259
Culea, M. 147

Davies, K.S. 71
Davies, B.E. 43
de Barreda, D.G. 155
de Bertrand, N. 283
Domingo, J.L. 3
Dörfler, U. 361
Durand, G. 283, 327

Eichhorn, K.W. 115, 201
El-Nahhal, Y.Z. 371
El-Sebae, A.H. 371
Ernhart, C.B. 99

Fan, T.S. 415
Farran, A. 133
Fent, G. 201
Ferguson, B.S. 415
Fobe, B. 53
French, M.J. 43

Galassi, S. 399, 339
Gamón, M. 155
Giersch, T. 435
Grandjean, P. 99
Greene, T. 99

Hajšlová, J. 259
Heimlich, F. 125
Helweg, A. 229
Hennion, M.-C. 349
Hermosín, M.C. 217
Hernandez, F. 297, 243
Hock, B. 435
Holst, E. 11

Jehličková, Z. 259
Johnson, D.B. 27

Kelsey, D.E. 415
Khalifa, M.A. 141
Klein, W. 181
Knudsen, L. 11
Kocourek, V. 259
Kördel, W. 181
Kramer, K. 435
Kubiak, R. 115, 201

Lange, C. 381
Linscheid, M. 141
Llobet, J.M. 3
Lorenzo, E. 155
Loutelier, C. 381

Mansour, M. 361
Martí, V. 133
Maurer, T. 115
Mayer, H. 141
McGinness, S. 27
Mingazzini, M. 399
Moldovan, Z. 147
Morell, I. 243
Munschy, C. 327
Muresan, V. 147
Musat, O. 147

Navarrete, P. 243
Nolte, J. 141, 125
Nriagu, J.O. 101

Palibroda, N. 147
Polesello, S. 339
Poperscu, R. 147

Rindone, B. 339
Rogers, H.R. 313
Roldan, I. 217
Rüdel, H. 181

Saez, A. 155
Safi, J.M. 371
Sancho, J.V. 297
Sasse, F. 429
Scheunert, I. 361
Schmidt, S. 181
Schroll, R. 361
Schuhmacher, M. 3
Shaw, G. 71
Soliman, S.A. 371
Sweevers, H. 53

Tahtah, W.H. 259
Tronczynski, J. 327

Van Grieken, R. 53
van der Zee, S.E.A.T.M. 167
van Zoonen, P. 105
Vleugels, G. 53
Vogel, J. 275

Subject Index

Acid mine drainage, iron bacteria, 27
Adsorption, mecoprop, MCPP, degradation, soil surface, subsurface, 229
Adsorption, tricylazol, pesticide, clay materials, soil, 217
Agricultural samples, ELISA, atrazine, pesticide, environmental samples, 415
Air pollution, weathering, sandstone, buildings, Belgium, 53
Amidosulfuron, lysimeter, degradation, phytotoxicity, bioassay, 201
Analysis, phenoxyalkyls, chlorophenol, capillary zone electrophoresis, 133
Atrazine, ELISA, pesticide, environmental samples, agricultural samples, 415
Atrazine, herbicides, river Rhone, gas chromatography-mass spectrometry (GC-MS), 327
Atrazine, mouse spleen cells, toxicity, 429
Atrazine, partitioning, γ-HCH, estuaries, colloids, 313

Belgium, weathering, air pollution, sandstone, buildings, 53
Bioassay, amidosulfuron, lysimeter, degradation, phytotoxicity, 201
Biodegradation, triazine pesticides, River Po, possible degradation pathway, 339
Biological monitoring, pesticides, river pollution, 399
Biometer systems, pesticides, soil degradation, DT_{50}, lysimeter, 181
Biotin, monoclonal antibody, *s*-triazine herbicide, terbuthylazine, ELISA, 435
Blood analysis, dust, lead compounds, condensation, 43
Buildings, weathering, air pollution, sandstone, Belgium, 53

^{14}C-Labelled pesticides, volatilization, laboratory chamber, pesticides in air, 115

Capillary gas chromatography, pesticide residue analysis, solid-phase extraction, liquid-liquid extraction, groundwater, high performance liquid chromatography, 297
Capillary zone electrophoresis, phenoxyalkyls, analysis, chlorophenol, 133
Carbofuran, pendimethalin, diazinon, photodegradation, lysimeter, leaching, 361
Carcinogenicity, pesticides, mutagenicity, 371
Cereals, chlorophenoxy acids, chlorophenols, determinations, herbicides, 259
Chlorophenol, phenoxyalkyls, analysis, capillary zone electrophoresis, 133
Chlorophenols, chlorophenoxy acids, determinations, cereals, herbicides, 259
Chlorophenoxy acids, chlorophenols, determinations, cereals, herbicides, 259
Chromatography, pesticides, coupled chromatographic techniques, environmental analysis, 105
Chromium, copper, zinc, foods, Tarragona Province (Spain), daily intake, 3
Chromium, serum, Denmark, 11
Citrus crop, pesticide residues, unsaturated zone, 243
Clay materials, adsorption, tricylazol, pesticide, soil, 217
Colloids, atrazine, partitioning, γ-HCH, estuaries, 313
Condensation, dust, lead compounds, blood analysis, 43
Copper, chromium, zinc, foods, Tarragona Province (Spain), daily intake, 3
Coupled chromatographic techniques, pesticides, chromatography, environmental analysis, 105
^{137}Cs fixation, radiocaesium, sorption isotherms, Langmuir model, sequential extraction, X-ray diffraction, radioecology, Ravenglass, Esk Estuary, Sellafield, 71

Cymoxanil, direct monitoring of xenobiotics, multidimensional chromatography (MDC), internal surface reversed-phase ISRP-HPLC, pesticides, destruxins., 381

Daily intake, copper, chromium, zinc, foods, Tarragona Province (Spain), 3
Degradation, amidosulfuron, lysimeter, phytotoxicity, bioassay, 201
Degradation, mecoprop, MCPP, adsorption, soil surface, subsurface, 229
Denmark, chromium, serum, 11
Density separation, heavy metals, soil, solid speciation, di-iodomethane, 93
Destruxins, direct monitoring of xenobiotics, multidimensional chromatography (MDC), internal surface reversed-phase ISRP-HPLC, pesticides, cymoxanil, 381
Determinations, chlorophenoxy acids, chlorophenols, cereals, herbicides, 259
Di-iodomethane, heavy metals, soil, solid speciation, density separation, 93
Diazinon, pendimethalin, carbofuran, photodegradation, lysimeter, leaching, 361
2,4-Dinitrophenols, herbicides, p*K* values, UV Spectroscopy, 125
Direct monitoring of xenobiotics, multidimensional chromatography (MDC), internal surface reversed-phase ISRP-HPLC, pesticides, cymoxanil, destruxins, 381
DT_{50}, pesticides, soil degradation, biometer systems, lysimeter, 181
Dust, lead compounds, condensation, blood analysis, 43

ELISA, atrazine, pesticide, environmental samples, agricultural samples, 415
ELISA, monoclonal antibody, *s*-triazine herbicide, terbuthylazine, biotin, 435
Environmental analysis, pesticides, chromatography, coupled chromatographic techniques, 105
Environmental samples, ELISA, atrazine, pesticide, agricultural samples, 415
Esk Estuary, ^{137}Cs fixation, radiocaesium, sorption isotherms, Langmuir model, sequential extraction, X-ray diffraction, radioecology, Ravenglass, Sellafield, 71
Estuaries, atrazine, partitioning, γ-HCH, colloids, 313

Fenitrothion, photodegradation, pesticides, mass spectometric characterization, propazine, 283
Food, pesticides, residues, Switzerland, 275
Foods, copper, chromium, zinc, Tarragona Province (Spain), daily intake, 3
Gas chromatography-mass spectrometry (GC-MS), herbicides, river Rhone, atrazine, 327

GC/MS, phenoxyalkanoic acids, herbicides, ion trap, 141
Groundwater, pesticide residue analysis, solid-phase extraction, liquid-liquid extraction, capillary gas chromatography, high performance liquid chromatography, 297
γ-HCH, atrazine, partitioning, estuaries, colloids, 313

Heavy metals, soil, solid speciation, density separation, di-iodomethane, 93
Herbicides, 2,4-dinitrophenols, p*K* values, UV spectroscopy, 125
Herbicides, chlorophenoxy acids, chlorophenols, determinations, cereals, 259
Herbicides, phenoxyalkanoic acids, GC/MS, ion trap, 141
Herbicides, river Rhone, gas chromatography-mass spectrometry (GC-MS), atrazine, 327
Heterogeneity, pesticides, leaching, soil, oscillating flow, 167
High performance liquid chromatography, pesticide residue analysis, solid-phase extraction, liquid-liquid extraction, groundwater, capillary gas chromatography, 297
HPLC, phenoxy acids, on-line preconcentration, water, 349

Internal surface reversed-phase ISRP-HPLC, direct monitoring of xenobiotics, multidimensional chromatography (MDC), pesticides, cymoxanil, destruxins, 381

Ion trap, phenoxyalkanoic acids, herbicides, GC/MS, 141
Iron bacteria, acid mine drainage, 27

Laboratory chamber, volatilization, ^{14}C-labelled pesticides, pesticides in air, 115
Langmuir model, radiocaesium, ^{137}Cs fixation, sorption isotherms, sequential extraction, X-ray diffraction, radioecology, Ravenglass, Esk Estuary, Sellafield, 71
Leaching, movement, soil columns, residual herbicides, 155
Leaching, pendimethalin, carbofuran, diazinon, photodegradation, lysimeter, 361
Leaching, pesticides, soil, heterogeneity, oscillating flow, 167
Lead compounds, dust, condensation, blood analysis, 43
Liquid-liquid extraction, pesticide residue analysis, solid-phase extraction, groundwater, capillary gas chromatography, high performance liquid chromatography, 297
Lysimeter, amidosulfuron, degradation, phytotoxicity, bioassay, 201
Lysimeter, pendimethalin, carbofuran, diazinon, photodegradation, leaching, 361
Lysimeter, pesticides, soil degradation, DT_{50}, biometer systems, 181

Mass spectometric characterization, photodegradation, pesticides, fenitrothion, propazine, 283
Mass spectrometry, organophosphorus, 147
MCPP, mecoprop, degradation, adsorption, soil surface, subsurface, 229
Mecoprop, MCPP, degradation, adsorption, soil surface, subsurface, 229
Monoclonal antibody, *s*-triazine herbicide, terbuthylazine, ELISA, biotin, 435
Mouse spleen cells, atrazine, toxicity, 429
Movement, leaching, soil columns, residual herbicides, 155
Multidimensional chromatography (MDC), direct monitoring of xenobiotics, internal surface reversed-phase ISRP-HPLC, pesticides, cymoxanil, destruxins, 381
Mutagenicity, pesticides, carcinogenicity, 371

On-line preconcentration, phenoxy acids, HPLC, water, 349
Organophosphorus, mass spectrometry, 147
Oscillating flow, pesticides, leaching, soil, heterogeneity, 167

p*K* Values, 2,4-dinitrophenols, herbicides, UV spectroscopy, 125
Partitioning, atrazine, γ-HCH, estuaries, colloids, 313
Pendimethalin, carbofuran, diazinon, photodegradation, lysimeter, leaching, 361
Pesticide residue analysis, solid-phase extraction, liquid-liquid extraction, groundwater, capillary gas chromatography, high performance liquid chromatography, 297
Pesticide residues, unsaturated zone, citrus crop, 243
Pesticide, adsorption, tricylazol, clay materials, soil, 217
Pesticide, ELISA, atrazine, environmental samples, agricultural samples, 415
Pesticides in air, volatilization, laboratory chamber, ^{14}C-labelled pesticides, 115
Pesticides, biological monitoring, river pollution, 399
Pesticides, carcinogenicity, mutagenicity, 371
Pesticides, chromatography, coupled chromatographic techniques, environmental analysis, 105
Pesticides, direct monitoring of xenobiotics, multidimensional chromatography (MDC), internal surface reversed-phase ISRP-HPLC, cymoxanil, destruxins., 381
Pesticides, leaching, soil, heterogeneity, oscillating flow, 167
Pesticides, photodegradation, mass spectometric characterization, fenitrothion, propazine, 283

Pesticides, residues, food, Switzerland, 275
Pesticides, soil degradation, DT_{50}, biometer systems, lysimeter, 181
Phenoxy acids, on-line preconcentration, HPLC, water, 349
Phenoxyalkanoic acids, herbicides, GC/MS, ion trap, 141
Phenoxyalkyls, analysis, chlorophenol, capillary zone electrophoresis, 133
Photodegradation, pendimethalin, carbofuran, diazinon, lysimeter, leaching, 361
Photodegradation, pesticides, mass spectometric characterization, fenitrothion, propazine, 283
Phytotoxicity, amidosulfuron, lysimeter, degradation, bioassay, 201
Possible degradation pathway, triazine pesticides, River Po, biodegradation, 339
Propazine, photodegradation, pesticides, mass spectometric characterization, fenitrothion, 283

Radiocaesium, ^{137}Cs fixation, sorption isotherms, Langmuir model, sequential extraction, X-ray diffraction, radioecology, Ravenglass, Esk Estuary, Sellafield, 71
Radioecology, radiocaesium, ^{137}Cs fixation, sorption isotherms, Langmuir model, sequential extraction, X-ray diffraction, Ravenglass, Esk Estuary, Sellafield, 71
Ravenglass, radiocaesium, ^{137}Cs fixation, sorption isotherms, Langmuir model, sequential extraction, X-ray diffraction, Esk Estuary, Sellafield, 71
Residual herbicides, movement, leaching, soil columns, 155
Residues, pesticides, food, Switzerland, 275
River Po, triazine pesticides, biodegradation, possible degradation pathway, 339
River pollution, biological monitoring, pesticides, 399
River Rhone, herbicides, gas chromatography-mass spectrometry (GC-MS), atrazine, 327

Sandstone, weathering, air pollution, buildings, Belgium, 53
Sellafield, radiocaesium, ^{137}Cs fixation, sorption isotherms, Langmuir model, sequential extraction, X-ray diffraction, Ravenglass, Esk Estuary, 71
Sequential extraction, radiocaesium, ^{137}Cs fixation, sorption isotherms, Langmuir model, sequential extraction, X-ray diffraction, Ravenglass, Esk Estuary, Sellafield, 71
Serum, chromium, Denmark, 11
Soil columns, movement, leaching, residual herbicides, 155
Soil degradation, pesticides, DT_{50}, biometer systems, lysimeter, 181
Soil surface, mecoprop, MCPP, degradation, adsorption, subsurface, 229
Soil, adsorption, tricylazol, pesticide, clay materials, 217
Soil, heavy metals, solid speciation, density separation, di-iodomethane, 93
Soil, pesticides, leaching, heterogeneity, oscillating flow, 167
Solid speciation, heavy metals, soil, density separation, di-iodomethane, 93
Solid-phase extraction, pesticide residue analysis, liquid-liquid extraction, groundwater, capillary gas chromatography, high performance liquid chromatography, 297
Sorption isotherms, radiocaesium, ^{137}Cs fixation, sorption isotherms, Langmuir model, sequential extraction, X-ray diffraction, Ravenglass, Esk Estuary, Sellafield, 71
Subsurface, mecoprop, MCPP, degradation, adsorption, soil surface, 229
Switzerland, pesticides, residues, food, 275

Tarragona Province (Spain), copper, chromium, zinc, foods, daily intake, 3
Terbuthylazine, monoclonal antibody, *s*-triazine herbicide, ELISA, biotin, 435
Toxicity, atrazine, mouse spleen cells, 429
s-Triazine herbicide, monoclonal antibody, terbuthylazine, ELISA, biotin, 435
Triazine pesticides, River Po, biodegradation, possible degradation pathway, 339
Tricylazol, adsorption, pesticide, clay materials, soil, 217

Unsaturated zone, pesticide residues, citrus crop, 243
UV spectroscopy, 2,4-dinitrophenols, herbicides, p*K* values, 125

Volatilization, laboratory chamber, ^{14}C-labelled pesticides, pesticides in air, 115

Water, phenoxy acids, on-line preconcentration, HPLC, 349
Weathering, air pollution, sandstone, buildings, Belgium, 53

X-Ray diffraction, radiocaesium, ^{137}Cs fixation, sorption isotherms, Langmuir model, sequential extraction, radioecology, Ravenglass, Esk Estuary, Sellafield, 71

Zinc, copper, chromium, foods, Tarragona Province (Spain), daily intake, 3